Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTABSF1616

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS 3 NOV 26 MARPAT enhanced with FSORT command
 NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
 NEWS 5 NOV 26 Two new SET commands increase convenience of STN
                  searching
 NEWS 6 DEC 01 ChemPort single article sales feature unavailable
 NEWS 7 DEC 12 GBFULL now offers single source for full-text
                  coverage of complete UK patent families
 NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
 NEWS 9 JAN 06 The retention policy for unread STNmail messages
                  will change in 2009 for STN-Columbus and STN-Tokyo
 NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
                  Classification Data

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS   STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN   Welcome Banner and News Items
 NEWS IPC8   For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement. Please note that this agreement limits use to scientific
  research. Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:35:15 ON 01 FEB 2009

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   0.44   0.44

FILE 'REGISTRY' ENTERED AT 16:36:05 ON 01 FEB 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

STRUCTURE FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3
DICTIONARY FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1943 AND 1995 AND 1838

L1   SCREEN CREATED

=>
Uploading C:\Program Files\STNEXP\Queries\10563107.str

chain nodes :
12

```
ring nodes :
1  2   3   4   5  6   7  8   9
ring/chain nodes :
10
chain bonds :
3-10   7-12
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   8-9
exact/norm bonds :
1-2   1-6   2-3   3-4   3-10   4-5   5-6   5-7   6-9   7-8   7-12   8-9


G1:C,N

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:CLASS
12:CLASS




L2      STRUCTURE UPLOADED

=> que L2 AND L1

L3    QUE L2 AND L1

=> d
L3 HAS NO ANSWERS
L1               SCR 1943 AND 1995 AND 1838
L2               STR
```
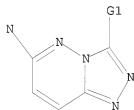


```
G1 C,N



Structure attributes must be viewed using STN Express query preparation.
L3            QUE  ABB=ON  PLU=ON  L2 AND L1


=> s l3 sss sam
SAMPLE SEARCH INITIATED 16:37:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     295 TO ITERATE

100.0% PROCESSED     295 ITERATIONS                    50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        4870 TO    6930
PROJECTED ANSWERS:           3241 TO    4959
```

L4   50 SEA SSS SAM L2 AND L1

=> log h
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   4.32   4.76

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 16:41:31 ON 01 FEB 2009

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTABSF1616

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS 3 NOV 26 MARPAT enhanced with FSORT command
 NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
 NEWS 5 NOV 26 Two new SET commands increase convenience of STN
                  searching
 NEWS 6 DEC 01 ChemPort single article sales feature unavailable
 NEWS 7 DEC 12 GBFULL now offers single source for full-text
                  coverage of complete UK patent families
 NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
 NEWS 9 JAN 06 The retention policy for unread STNmail messages
                  will change in 2009 for STN-Columbus and STN-Tokyo
 NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
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 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 23:30:22 ON 01 FEB 2009

=> ....Testing the current file.... screen

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Please change to a suitable file and repeat your upload

Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                      ENTRY   SESSION
FULL ESTIMATED COST   0.22   0.22

FILE 'REGISTRY' ENTERED AT 23:30:55 ON 01 FEB 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3
DICTIONARY FILE UPDATES: 29 JAN 2009 HIGHEST RN 1097778-52-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1943 AND 1995 AND 1838

L1   SCREEN CREATED

=>
Uploading C:\Program Files\STNEXP\Queries\10563107.str

```
chain nodes :
12
ring nodes :
1  2  3  4  5  6  7  8  9
ring/chain nodes :
10
chain bonds :
3-10  7-12
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9
exact/norm bonds :
1-2  1-6  2-3  3-4  3-10  4-5  5-6  5-7  6-9  7-8  7-12  8-9


G1:C,N

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
12:CLASS



L2      STRUCTURE UPLOADED

=> que L2 AND L1

L3   QUE L2 AND L1

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end


=> screen 1945 AND 1995 AND 1929 AND 1839
```
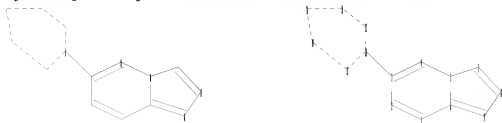
L4   SCREEN CREATED

=>
Uploading C:\Program Files\STNEXP\Queries\10563107a.str

ring nodes :
1 2   3   4   5   6   7   8   9   10 12 13 14 15 16
chain bonds :
3-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-12 10-13 12-15 13-14 14-16
 15-16
exact/norm bonds :
1-2 1-6 2-3 3-4 3-10 4-5 5-6 5-7 6-9 7-8 8-9 10-12 10-13 12-15 13-14
14-16 15-16
isolated ring systems :
containing 1 :

G1:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom

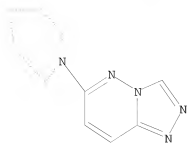L5   STRUCTURE UPLOADED

=> que L5 AND L4

L6   QUE L5 AND L4

=> d
L6 HAS NO ANSWERS
L4   SCR 1945 AND 1995 AND 1929 AND 1839
L5   STR

G1 C,N

```
Structure attributes must be viewed using STN Express query preparation.
L6            QUE  ABB=ON  PLU=ON  L5 AND L4


=> s l4 sss sam
SAMPLE SEARCH INITIATED 23:31:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED                     50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:          0 TO       0
PROJECTED ANSWERS:      4238926 TO  4293194

L7        50 SEA SSS SAM L4

=> log h
COST IN U.S. DOLLARS                        SINCE FILE     TOTAL
                                              ENTRY      SESSION
FULL ESTIMATED COST                            0.96        1.18

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 23:32:00 ON 01 FEB 2009

Connecting via Winsock to STN



Welcome to STN International!  Enter x:X

LOGINID:SSPTABSF1616

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 23:44:15 ON 01 FEB 2009
FILE 'REGISTRY' ENTERED AT 23:44:15 ON 01 FEB 2009
COPYRIGHT (C) 2009 American Chemical Society (ACS)

COST IN U.S. DOLLARS                        SINCE FILE     TOTAL
                                              ENTRY      SESSION
FULL ESTIMATED COST                            0.96        1.18

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end


=> screen 1015 AND 1942 AND 1945 AND 1995 AND 1839

L8    SCREEN CREATED

=>
Uploading C:\Program Files\STNEXP\Queries\10563107b.str
```
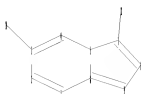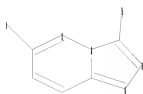
```
chain nodes :
12
ring nodes :
1  2  3  4  5  6  7  8  9
ring/chain nodes :
10
chain bonds :
3-10  7-12
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9
exact/norm bonds :
1-2  1-6  2-3  3-4  3-10  4-5  5-6  5-7  6-9  7-8  7-12  8-9


G1:C,N

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
12:Atom




L9      STRUCTURE UPLOADED

=> que L9 AND L8

L10  QUE L9 AND L8

=> d
L10 HAS NO ANSWERS
L8              SCR 1015 AND 1942 AND 1945 AND 1995 AND 1839
L9              STR
```
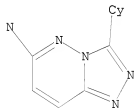


```
G1 C,N



Structure attributes must be viewed using STN Express query preparation.
L10             QUE  ABB=ON  PLU=ON  L9 AND L8


=> s 110 sss sam
SAMPLE SEARCH INITIATED 23:44:48 FILE 'REGISTRY'
```

SAMPLE SCREEN SEARCH COMPLETED -   5 TO ITERATE
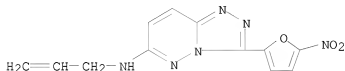
100.0% PROCESSED   5 ITERATIONS   2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 5 TO   234
PROJECTED ANSWERS: 2 TO   124

L11   2 SEA SSS SAM L9 AND L8

=> d scan

L11 2 ANSWERS   REGISTRY COPYRIGHT 2009 ACS on STN
IN   1,2,4-Triazolo[4,3-b]pyridazin-6-amine,
     3-(5-nitro-2-furanyl)-N-2-propen-1-yl-
MF   C12 H10 N6 O3

$H_2C = CH - CH_2 - NH$ ... NO_2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l10 sss full
FULL SEARCH INITIATED 23:45:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   105 TO ITERATE

100.0% PROCESSED   105 ITERATIONS   18 ANSWERS
SEARCH TIME: 00.00.01

L12   18 SEA SSS FUL L9 AND L8

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   187.32   187.54

FILE 'CAPLUS' ENTERED AT 23:45:35 ON 01 FEB 2009
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FILE COVERS 1907 - 1 Feb 2009 VOL 150 ISS 6
FILE LAST UPDATED: 30 Jan 2009 (20090130/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> s l12
L13        5 L12

=> d ibib abs hit 1-5
```

L13 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:333234 CAPLUS
DOCUMENT NUMBER: 144:390929
TITLE: Preparation of triazolophthalazines as PDE2 inhibitors
INVENTOR(S):   Schmidt, Beate; Weinbrenner, Steffen; Flockerzi,
                       Dieter; Kuelzer, Raimund; Tenor, Hermann; Kley,
                       Hans-Peter
PATENT ASSIGNEE(S):   Altana Pharma AG, Germany
SOURCE: PCT Int. Appl., 51 pp.
                       CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

```
     PATENT NO.        KIND   DATE       APPLICATION NO.        DATE
     ---------------   ----   --------   --------------------   --------
     WO 2006024640     A2     20060309   WO 2005-EP54266        20050831
     WO 2006024640     A3     20070607
        W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
            LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
            NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
            SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
            ZA, ZM, ZW
        RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
            IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
            CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
            GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
     AU 2005279221     A1     20060309   AU 2005-279221         20050831
     CA 2578368        A1     20060309   CA 2005-2578368        20050831
     EP 1791543        A2     20070606   EP 2005-784647         20050831
        R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
            IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,
            BA, HR, MK, YU
     JP 2008511586     T      20080417   JP 2007-528875         20050831
     BR 2005014586     A      20080617   BR 2005-14586          20050831
```

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    MX 2007002266      A     20080828    MX 2007-2266            20070223
    NO 2007001127      A     20070228    NO 2007-1127            20070228
    IN 2007MN00434     A     20070720    IN 2007-MN434           20070323
    KR 2007047834      A     20070507    KR 2007-706869          20070326
    US 20090005372     A1    20090101    US 2007-660748          20070326
    CN 101133057       A     20080227    CN 2005-8003805/        20070508
PRIORITY APPLN. INFO.:                   EP 2004-104221     A    20040902
                                         WO 2005-EP54266    W    20050831
OTHER SOURCE(S):       CASREACT 144:390929; MARPAT 144:390929
GI
```
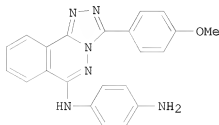

I

AB   Triazolophthalazines are prepared as effective PDE2 inhibitors. E.g., I is
     prepared from 6-chloro-3-(4-methoxyphenyl)-[1,2,4]triazolo[3,4-a]phthalazine
     (II) and p-phenylenediamine. II is prepared from
     4-chlorophthalazin-1-ylhydrazine and 4-methoxybenzoyl chloride. Methods
     for measuring inhibition of PDEs activities are given.
IT   882983-12-2P   882983-13-3P   882983-14-4P   882983-15-5P   882983-16-6P
     882983-17-7P   882983-18-8P   882983-19-9P   882983-20-2P   882983-21-3P
     882983-22-4P   882983-23-5P   882983-24-6P   882983-25-7P   882983-26-8P
     882983-27-9P   882983-28-0P   882983-29-1P   882983-30-4P   882983-31-5P
     882983-32-6P   882983-33-7P   882983-34-8P   882983-35-9P   882983-36-0P
     882983-37-1P   882983-38-2P   882983-39-3P   882983-40-6P   882983-41-7P
     882983-42-8P   882983-43-9P   882983-44-0P   882983-45-1P   882983-46-2P
     882983-47-3P   882983-48-4P   882983-49-5P   882983-50-8P   882983-51-9P
     882983-52-0P   882983-53-1P   882983-54-2P   882983-55-3P   882983-56-4P
     882983-57-5P   882983-58-6P   882983-59-7P   882983-60-0P   882983-61-1P
     882983-62-2P   882983-63-3P   882983-64-4P 882983-65-5P
     882983-66-6P   882983-67-7P   882983-68-8P   882983-69-9P   882983-70-2P
     882983-71-3P   882983-72-4P   882983-73-5P   882983-74-6P   882983-75-7P
     882983-76-8P   882983-77-9P   882983-78-0P   882983-82-6P   882983-83-7P
     882983-84-8P   882983-85-9P   882983-86-0P   882983-87-1P   882983-88-2P
     882983-89-3P   882983-90-6P   882983-91-7P   882983-92-8P   882983-93-9P
     882983-94-0P   882983-95-1P   882983-96-2P   882983-97-3P   882983-98-4P
     882983-99-5P   882984-00-1P   882984-01-2P   882984-02-3P   882984-03-4P
     882984-04-5P   882984-05-6P   882984-06-7P   882984-07-8P   882984-08-9P
     882984-09-0P   882984-10-3P   882984-11-4P   882984-12-5P   882984-13-6P
     882984-14-7P   882984-15-8P   882984-16-9P   882984-17-0P   882984-18-1P
     882984-19-2P   882984-20-5P   882984-39-6P   883234-07-9P   883234-08-0P
     883234-09-1P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of triazolophthalazines as PDE2 inhibitors)

L13   ANSWER 2 OF 5 CAPLUS   COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:14702 CAPLUS
DOCUMENT NUMBER: 140:199281

TITLE: Transformation of
                           N-(5-acetyl-6-methyl-2-oxo-2H-pyran-3-yl)benzamide
                           with hydrazines in the presence of an acidic catalyst
AUTHOR(S):   Vranicar, Lidija; Polanc, Slovenko; Kocevar, Marijan
CORPORATE SOURCE: Faculty of Chemistry and Chemical Technology,
                           University of Ljubljana, Ljubljana, SI-1000, Slovenia
SOURCE: Heterocycles (2003), 61, 105-112
                           CODEN: HTCYAM; ISSN: 0385-5414
PUBLISHER: Japan Institute of Heterocyclic Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 140:199281
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB   2H-Pyran-2-one I was reacted with heterocyclic hydrazines and
     2,4-dinitrophenylhydrazine, in the presence of various acidic catalysts,
     to give N-[5-(1-hydrazonoethyl)-6-methyl-2-oxo-2H-pyran-3-yl]benzamides,
     e.g., II, as the main products. In some cases,
     (E)-α,β-didehydro-α-amino acids, e.g., III, were obtained
     as the minor product.
REFERENCE COUNT: 22   THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT   220467-63-0P   220467-64-1P
     RL: BYP (Byproduct); PREP (Preparation)
         (byproducts from the preparation of N-
         [(heteroarylhydrazonoethyl)methyl(oxopyranyl]benzamides via
         condensation of N-[acetyl(methyl)oxopyranyl]benzamide with
         heteroarylhydrazines)

L13 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:24179 CAPLUS
DOCUMENT NUMBER: 130:168311
TITLE: 2H-Pyran-2-ones as synthons for
                           (E)-α,β-didehydroamino acid derivatives
AUTHOR(S):   Vranicar, Lidija; Polanc, Slovenko; Kocevar, Marijan
CORPORATE SOURCE: Faculty of Chemistry and Chemical Technology,
                           University of Ljubljana, Ljubljana, SI-1000, Slovenia
SOURCE: Tetrahedron (1999), 55(1), 271-278
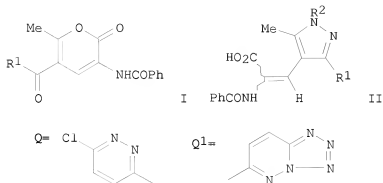   CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

AB   2H-Pyran-2-ones I (R1 = Me, Ph) with the defined (E)-structure of a
     α,β-didehydroamino acid unit were used as synthons for a series
     of configurationally stable (E)-α,β-didehydroamino acid derivs.
     II (R2 = H, Me, PhCH2, Ph, Het, Het = Q, Q1, etc.) containing a benzoyl
     protected amino function and a pyrazolyl residue. They were derived from
     2H-pyran-2-ones and hydrazines under various reaction conditions. A
     possibility of the formation of (Z)-isomers from the above-mentioned
     precursors is also discussed.
REFERENCE COUNT: 29   THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT   188064-51-9P   220467-58-3P   220467-59-4P   220467-60-7P   220467-61-8P
     220467-62-9P 220467-63-0P   220467-64-1P   220467-65-2P
     220467-66-3P   220467-67-4P   220467-68-5P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of pyranones as synthons for α,β-didehydroamino acid
        derivs.)

L13 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1990:478269 CAPLUS
DOCUMENT NUMBER: 113:78269
ORIGINAL REFERENCE NO.:   113:13243a,13246a
TITLE: Studies of pyridazine compounds. XXV.
                           Reinvestigation of acylation of pyridazinylhydrazones
AUTHOR(S):   Szilagyi, Geza; Matyus, Peter; Sohar, Pal
CORPORATE SOURCE: Inst. Drug Res., Budapest, H-1325, Hung.
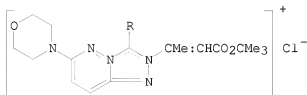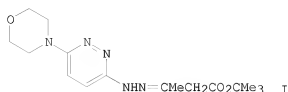SOURCE: Tetrahedron (1989), 45(24), 7921-8
                           CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 113:78269
GI

$$\text{I}$$

$$\text{II}$$

AB   The acylation of morpholino-substituted pyridazinylhyrazones I with
     RC6H4COCl (R = 2-Cl, 4-Cl, 4-MeO, 4-NO2, 3-F3C) afforded
     triazolo[4,3-b]pyridazinium salts II. Reaction mechanism and ring-chain
     tautomerism are discussed.
IT   128641-70-3P 128641-71-4P   128641-72-5P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation and rearrangement of)
IT   128641-69-0P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation, rearrangement, and dealkylation of)
IT   128641-67-8P 128641-68-9P 128641-94-1P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation, rearrangement, and ring cleavage of)

L13 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1973:16204 CAPLUS
DOCUMENT NUMBER: 78:16204
ORIGINAL REFERENCE NO.: 78:2571a,2574a
TITLE: 3-(5-Nitro-2-furyl)-6-amino-s-triazolo[4,3-
                       b]pyridazine derivatives
INVENTOR(S):   Berger, Herbert; Gall, Rudi; Merdes, Hartmut; Voemel,
                       Wolfgang; Sauer, Winfriede
PATENT ASSIGNEE(S):   Boehringer Mannheim G.m.b.H.
SOURCE: Ger. Offen., 20 pp.
                       CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2113438	A	19720921	DE 1971-2113438	19710319
DE 2161596	A1	19730614	DE 1971-2161596	19711211
GB 1324060	A	19730718	GB 1972-11607	19720313
FR 2130372	A5	19721103	FR 1972-9373	19720317
FR 2130372	B1	19751226		
AT 314535	B	19740410	AT 1972-2297	19720317
AT 314536	B	19740410	AT 1973-3870	19720317

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      AT 315840          B      19740610    AT 1973-3868           19720317
      AT 315841          B      19740610    AT 1973-3869           19720317
PRIORITY APPLN. INFO.:                      DE 1971-2113438    A  19710319
                                            DE 1971-2161586    A  19711211
                                            DE 1971-2161587    A  19711211
                                            DE 1971-2161596    A  19711211
GI    For diagram(s), see printed CA Issue.
AB    Twenty-nine title compds. [I, n = 0 or 1; R = e.g. HOCH2, HOCH2CH2, or Et;
      R1 = e.g. HOCH2 or H or NRR1 = e.g. morpholino, 1-pyrroddinyl, or
      4-(β-hydroxyethyl)-1-piperazinyl], useful for the treatment of
      microbial infections of the urinary tract, were prepared by amination of the
      chloro derivative II or by formylation of I (R = R1 = H).
IT    20373-39-1P    35256-67-8P    35263-20-8P    35263-21-9P    35263-45-7P
      39181-62-9P    39181-67-4P    39181-68-5P    39181-71-0P    39181-72-1P
      39181-73-2P    39181-74-3P    39181-75-4P    39181-76-5P    39181-77-6P
      39181-80-1P    39181-82-3P    39181-83-4P    39181-84-5P    39181-85-6P
      39181-87-8P    39200-26-5P    39200-27-6P    39200-29-8P    39200-30-1P
      39200-31-2P    39200-32-3P    39200-33-4P    39200-34-5P    39200-35-6P
      39200-36-7P    39200-37-8P    39200-38-9P    39200-40-3P    39200-41-4P
      39200-42-5P    39200-45-8P 39479-42-0P
      RL: SPN (Synthetic preparation); PREP (Preparation)
          (preparation of)


=> log h
COST IN U.S. DOLLARS                                SINCE FILE     TOTAL
                                                      ENTRY       SESSION
FULL ESTIMATED COST                                   20.90       208.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)         SINCE FILE     TOTAL
                                                      ENTRY       SESSION
CA SUBSCRIBER PRICE                                   -4.10        -4.10

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 23:50:20 ON 01 FEB 2009
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